DS-F700L

Fingerprint Access Controller

DS-F700L is a fingerprint access controller, supports standalone running and network managed. It uses multi-core ARM processor, have mass memory. Built-in fingerprint identification circuit, support high-speed identification and rejection of false fingerprints. Fingerprint identification time < 1S, 2.8 inch TFT color screen, support 5,000 fingerprints, 5,000 cards, 5,000 passwords, 200,000 records, have ID and Mifare format, TCP/IP and RS485. Support 1 group of unlock relay, 1 group of door sensor, 1 group of alarm output, Can use U disk to backup data, support cloud platform. Have traditional Chinese, Simplified Chinese and English 3 language choose (other languages can be customized).

Features

1. Living Fingerprints
2. High Speed Algorithms
3. Maximum fingerprint capacity can made into 300 million
4. Support TCP/IP Communications
5. 2.8 inch TFT color screen

Specification

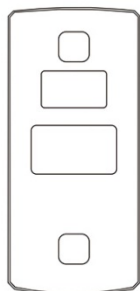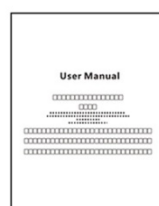|	
Model	DS–F700L
Brand	Daosafe
Dimensions	88.9 X 198.6 X 44.1 mm
Fingerprint Acquisition Area	16 x 14 mm
The acquisition Angle Range	±45°
Speed	<1 s
Capacity	5,000 fingerprints, 5,000 cards, 5,000 passwords, 200,000 records(30,000 fingerprint can be customized)
Communication	TCP/IP, RS485, USB (WIFI optional)
Controller Port	Wiegand26
Registration Way	Fingerprint, Password, ID Card or Mifare Card
Verification Mode	1:N, 1:1
Display	2.8 inch TFT color screen
Working Voltage	12V DC
False Recognition Rate	< 0.0001%
Operating Humidity	20–80%
Operating Temperature	0–70℃

Accessories

DS-F700L
(1pcs)
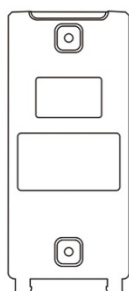
Metal Fixed Panel
(1pcs)

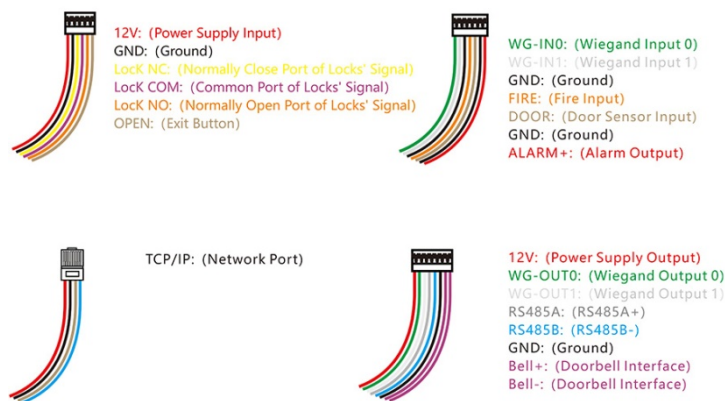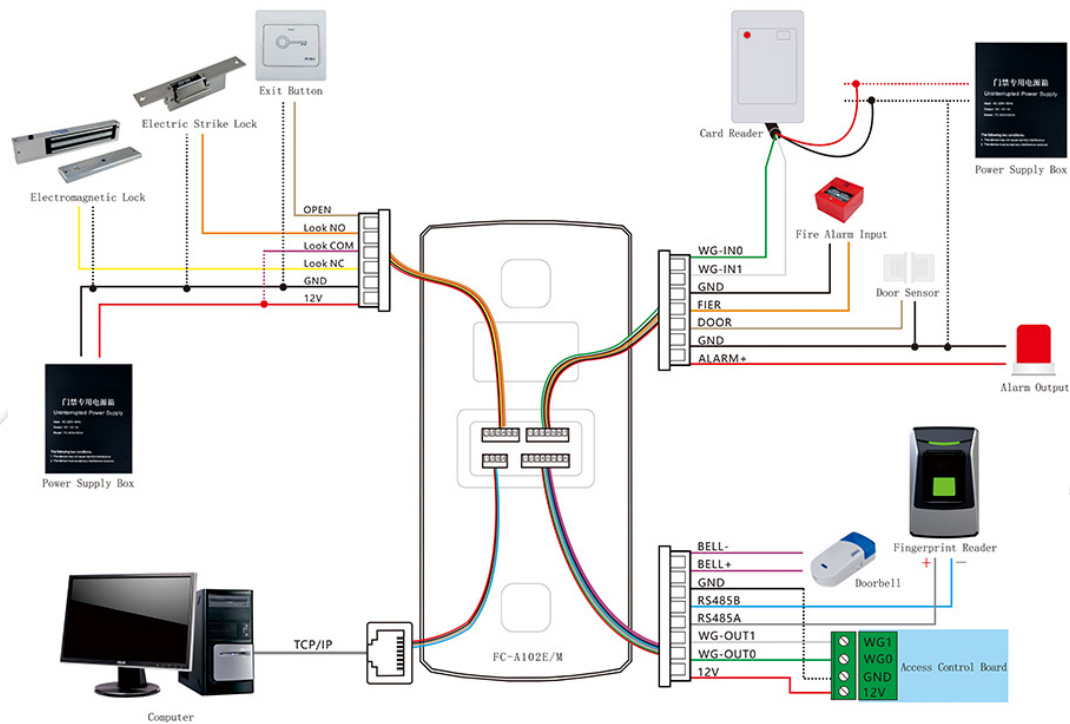**Silicone Gasket**
(1pcs)

User Manual
(1pcs)
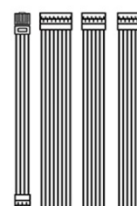
Wire
(4pcs)

Spanner
(1pcs)

Wiring Diagram

Exit Button

Electric Strike Lock

Electromagnetic Lock

Card Reader

门禁专用电源箱
Uninterrupted Power Supply

Power Supply Box

OPEN
Look NO
Look COM
Look NC
GND
12V

Fire Alarm Input

Door Sensor

WG-IN0
WG-IN1
GND
FIER
DOOR
GND
ALARM+

Alarm Output

门禁专用电源箱
Uninterrupted Power Supply

Power Supply Box

Fingerprint Reader

BELL-
BELL+
GND
RS485B
RS485A
WG-OUT1
WG-OUT0
12V

Doorbell

+   —

Computer

TCP/IP

FC-A102E/M

WG1
WG0
GND
12V

Access Control Board

12V: (Power Supply Input)
GND: (Ground)
LocK NC: (Normally Close Port of Locks' Signal)
LocK COM: (Common Port of Locks' Signal)
LocK NO: (Normally Open Port of Locks' Signal)
OPEN: (Exit Button)

WG-IN0: (Wiegand Input 0)
WG-IN1: (Wiegand Input 1)
GND: (Ground)
FIRE: (Fire Input)
DOOR: (Door Sensor Input)
GND: (Ground)
ALARM+: (Alarm Output)

TCP/IP: (Network Port)

12V: (Power Supply Output)
WG-OUT0: (Wiegand Output 0)
WG-OUT1: (Wiegand Output 1)
RS485A: (RS485A+)
RS485B: (RS485B-)
GND: (Ground)
Bell+: (Doorbell Interface)
Bell-: (Doorbell Interface)

System Structure

Computer

Power Supply Box

Alarm Output

Doorbell

Fire Alarm Input

Fingerprint Access Controller

Door Sensor

Electric Lock

Fingerprint Reader

Exit Button